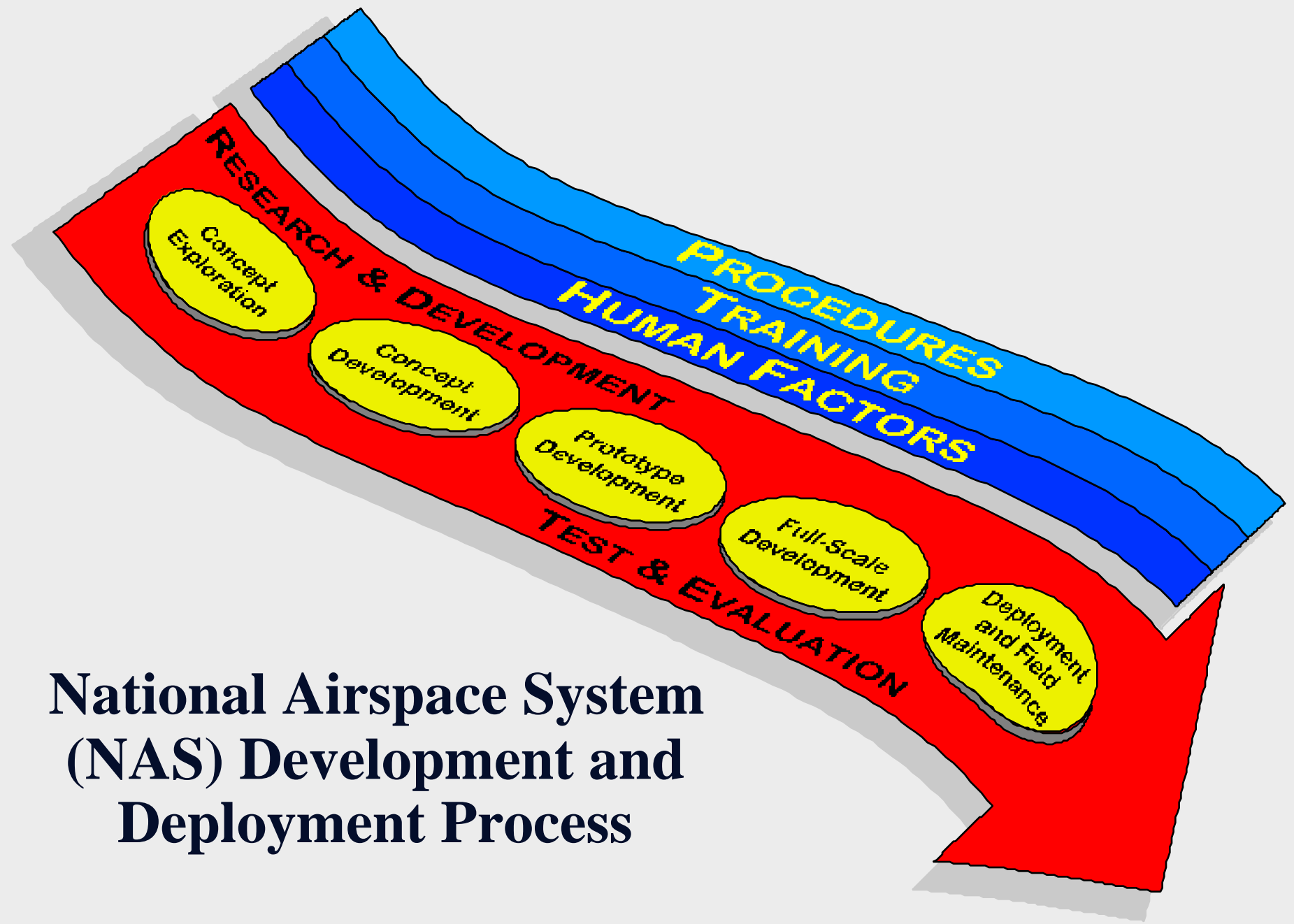


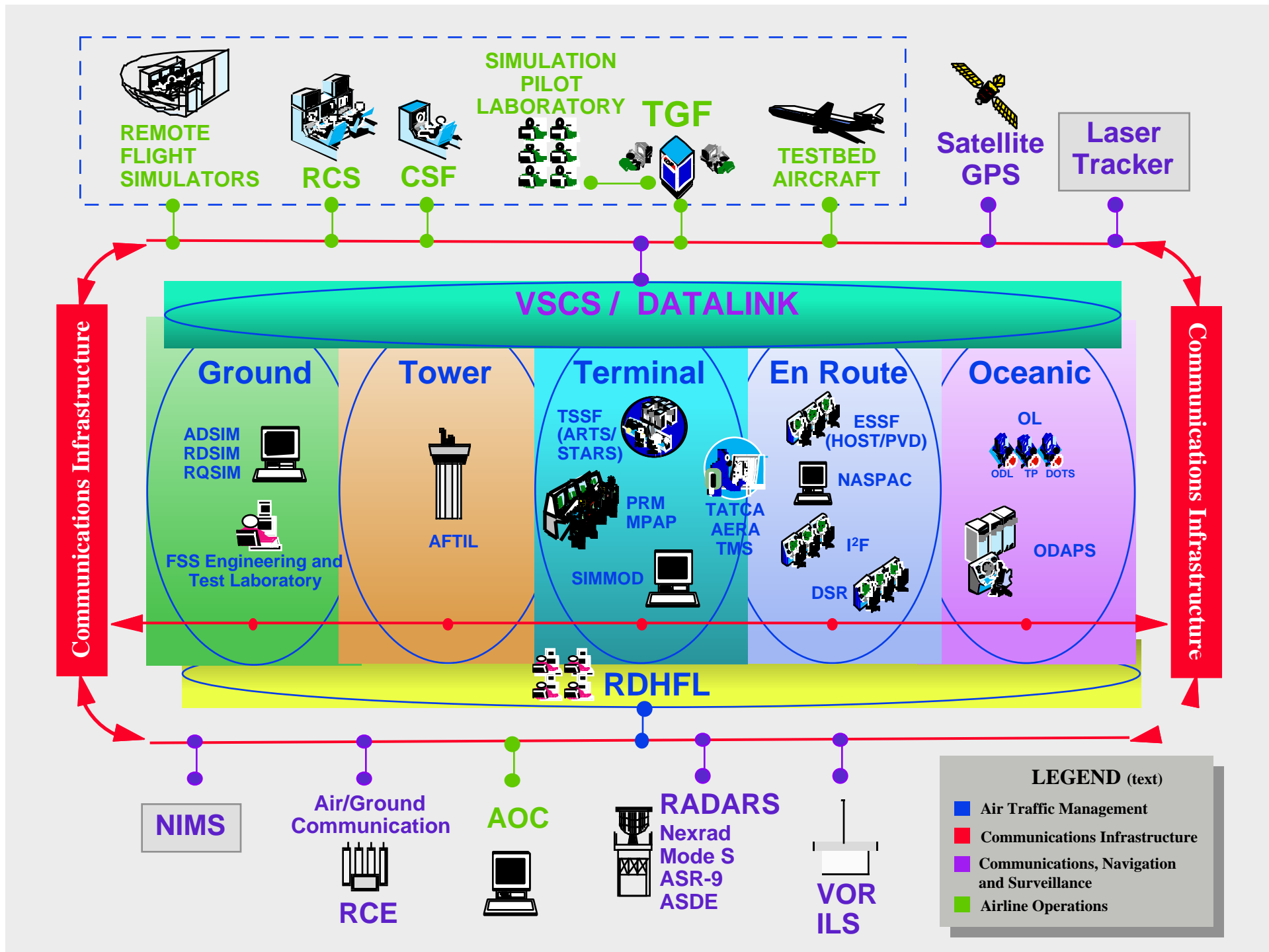
Modeling and Simulation Emerging Trends

Dennis Filler

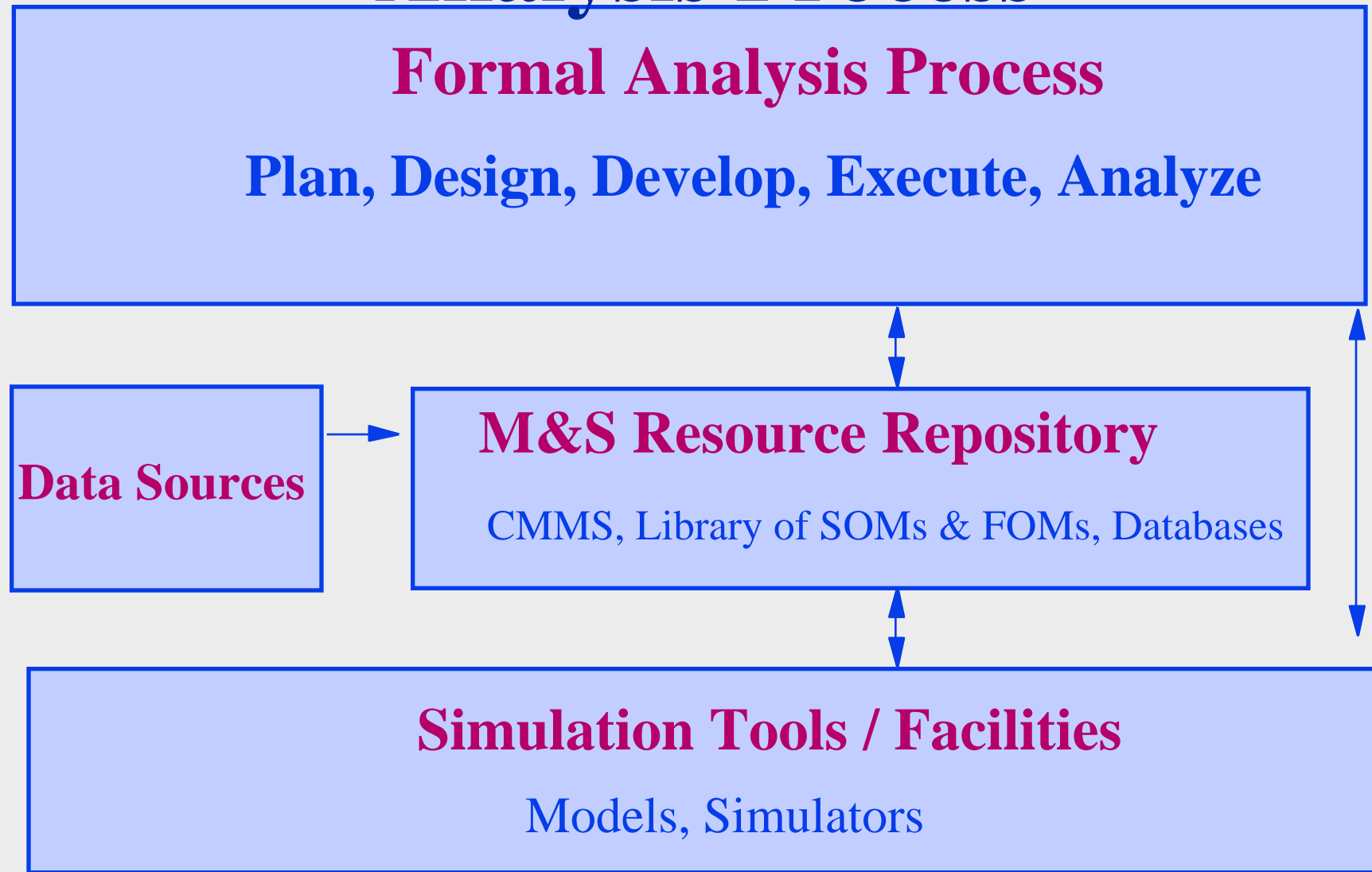
**Federal Aviation Administration
William J. Hughes Technical Center**



National Airspace System (NAS) Development and Deployment Process



Conceptual View of Formal Analysis Process



Status of HLA Implementation Activities

➔ **Laboratory Integration Team**

- ➔ SOMs developed for flight simulators, target generation facility, and air traffic management simulators
- ➔ Reference FOM developed for the National Airspace System
- ➔ Fidelity and Cost Model in development

➔ **FAA/NASA Ames/Army Aviation Research Development & Engineering Center: Distributed Simulation using HLA**

- ➔ Demonstration plan developed (3 phases: FY-97/98)
- ➔ FAA flight simulator and ATM simulators
- ➔ NASA and Army flight simulators

➔ **International Coordination**

- ➔ Deutsche Flugsicherung (DFS)
- ➔ Centre D'Etudes de la Navigation Aerienne (CENA)